



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

Site: Medley F
Break: B.10
Other: _____

MEMORANDUM

Date: **APR 25 1990**

SUBJECT: REVIEW OF DRAFT "MEDLEY FARM REMEDIAL
INVESTIGATION REPORT"
GAFFNEY, SOUTH CAROLINA

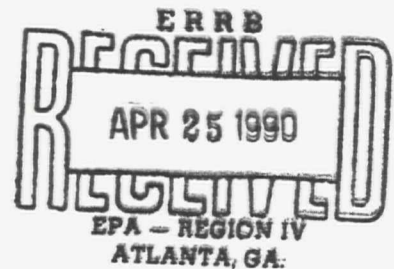
FROM: Tony Able, Hydrologist, P.G.
Ground-Water Technology Unit

T.A.

TO: Jon Bornholm, Remedial Project Manager
Superfund Branch
Waste Management Division

THRU: Rutherford B. Hayes, Chief
Ground-Water Technology Unit

R.B. Hayes



Per your request review of the subject document has been completed. The review focused on hydrogeologic components of the report.

The report describes an adequate initial site characterization, however, there should be another phase of monitoring well installation in order to fully characterize the vertical and horizontal extent of ground water contamination. Specifically, deep bedrock wells should be placed in the area of SW3, SW4, and BW2 to define the vertical extent of contamination. Additional downgradient wells should be installed to determine the southeastward (horizontal) extent of contamination. Characterization of upgradient ground water contamination should be considered, however, a concern with installation of upgradient wells is the potential of drilling through contaminated soils and creating vertical pathways for contaminant migration to the aquifer system. Further discussions on the necessity of upgradient wells should take place between EPA and the responsible parties.

On page 16 it is stated that on June 23, 1983 the South Carolina Department of Health and Environmental Control (SCDHEC) sampled private water supply wells in the area and detected trace levels of methylene chloride. The sampling study should be duplicated to insure that human health is protected.

The phase I study verified that a contaminant plume exists in the aquifer beneath the site. A phase II study will be necessary to establish the extent of aquifer contamination. If you have any questions, contact me at extension 3866.



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